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**PHOTOGRAPHIC
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AIR WARNING RADAR FACILITIES IN IRAQ

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FEBRUARY 1973

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AIR WARNING RADAR FACILITIES IN IRAQ**ABSTRACT**

1. This report describes the status of air warning (AW) radar facilities in Iraq as of January 1973. The information was derived from a review of 1972-73 KEYHOLE photography through January 1973. The report includes a description of newly identified facilities, tables and maps which give the status and location of the facilities, and photographs of selected installations.

2. Radars directly associated with SAM sites or anti-aircraft artillery (AAA) sites are not included in this report. This report supersedes those portions of NPIC *Air Warning and Coastal Surveillance Radar Facilities in Syria and Iraq*, August 1972 (TOP SECRET RUFF), which cover Iraq.

INTRODUCTION

3. As of April 1972, a total of 13 AW radar sites, nine of which were occupied, had been identified in Iraq. Analysis of imagery from July 1972 through January 1973 revealed seven additional AW radar sites in Iraq. One previously reported AW radar site had been abandoned. Other significant changes in the status of previously identified AW radar facilities were also observed.

4. Only the radar facilities which were first identified on are described in this report. The status of previously identified radar facilities is summarized in Table 1. Figure 1 shows the locations of all facilities.

BASIC DESCRIPTION

5. Nineteen AW radar sites have been identified in Iraq (Figure 1 and Table 1). New AW radar facilities were identified near the towns of Umm Qasr, Al Qurnah, Al Amarah, An Nasiriyah, An Najaf, and Karbala. A new AW radar facility was also identified inside the Baghdad Barracks School and Ordnance Depot Abu Ghurayb. Sixteen of the 19 AW radar facilities were occupied and 12 of the 19 had been hardened. The following are the newly identified facilities.

a. Al Amarah AW Radar Facility is just north of Al Amarah at 31-51-50N 047-09-45E. It is secured by a fence and contains six sheds, three tents, and three occupied light AAA positions. This facility is shown in Figure 2.

b. Al Qurnah AW Radar Facility is on a small mound just north of Al Qurnah at 31-03-40N 047-25-50E. It contains two revetted positions for truck-mounted radars and nine tents. This facility is shown in Figure 3.

c. An Najaf AW Radar Facility is 2.8 nautical miles (NM) northwest of An Najaf at 32-01-30N 044-17-05E. It is fence secured and contains two radar mounds, 11 hardened vehicle or equipment revetments, and ten administration/support buildings. This facility is shown in Figure 4.

d. An Nasiriyah AW Radar Facility is 4.0 NM southwest of An Nasiriyah at 30-59-00N 046-12-00E. It contains seven radar mounds (four occupied), 22 hardened vehicle or equipment revetments, five vehicle revetments, at least four partially underground buildings, and nine tents.

e. Baghdad Barracks School and Ordnance Depot Abu Ghurayb is 8 NM west of Baghdad at 33-18-59N 044-14-30E. A knife rest radar and three associated electronics vans were observed in a former vehicle parking area.

f. Karbala AW Radar Facility is 11.2 NM northwest of Karbala at 32-42-40N 043-51-00E. It contains two revetted positions for truck-mounted radars, five sheds, eight tents, and three occupied light AAA positions.

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g. Umm Qasr AW Radar Facility [] is 3.2 NM northwest of Umm Qasr at 30-04-20N 047-54-35E. It contains two revetted positions for truck-mounted radars, three sheds, and two tents.

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6. The identification of a Squat Eye radar in Iraq in October 1972 indicates an improvement to their AW capabilities.

7. Al Kut AW Radar Facility [] has been abandoned and will no longer be reported.

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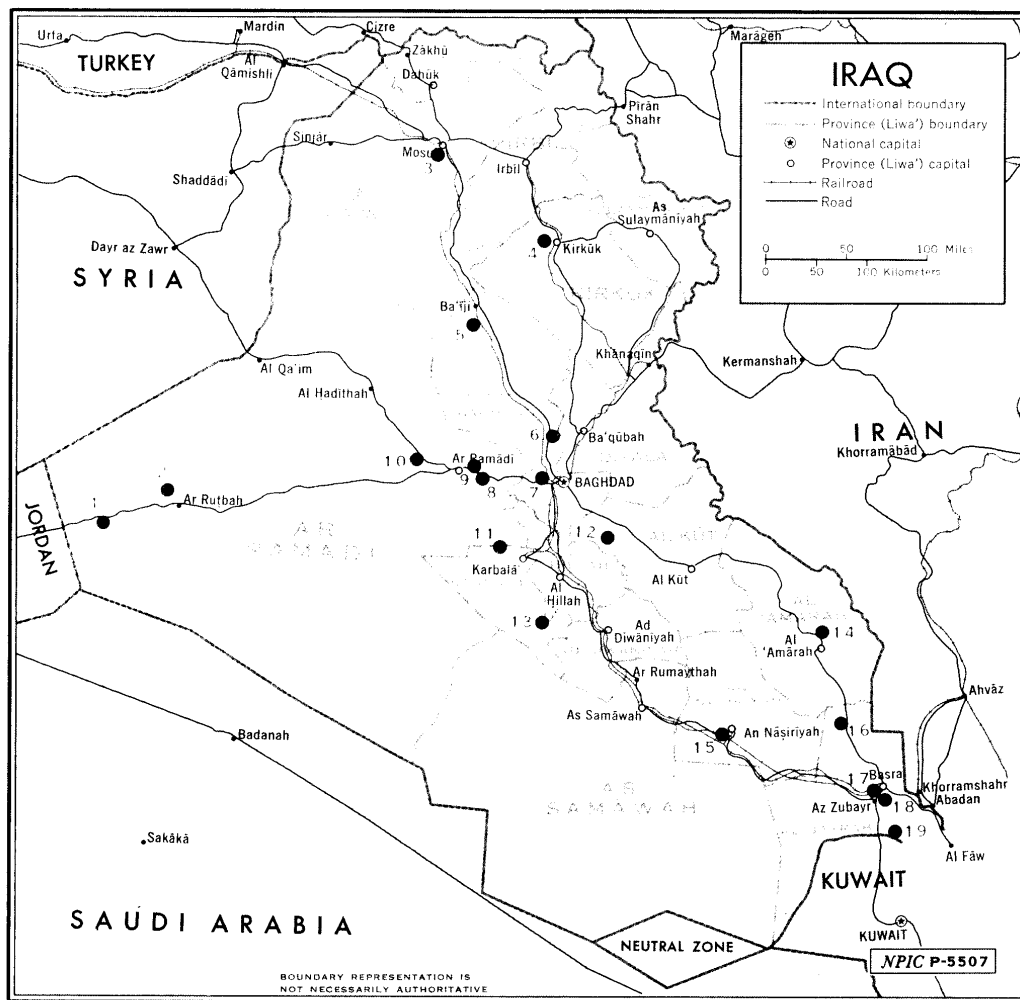


FIGURE 1. AIR WARNING RADAR FACILITIES IN IRAQ

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Table 1. Air Warning Radar Facilities in Iraq

Name (Numbers Keyed to Figure 1)	Geographic Coordinates	Status	Type	No of Mounds	Radars
Al Amarah AW Radar Facility (14)	31-51-50N 047-09-45E	Occupied	Soft	0	2 Spoon Rest 1 prob Squat Eye
Al Qurnah AW Radar Facility (16)	31-03-40N 047-25-50E	Occupied	Soft	0	1 Flat Face
An Najaf AW Radar Facility (13)	32-01-30N 044-17-05E	Occupied	Hard	2	1 Bar Lock 1 Big Bar
An Nasiriyah AW Radar Facility (15)	30-59-00N 046-12-00E	Occupied	Hard	7	1 Bar Lock 1 Big Bar 1 Side Net 1 Rock Cake/Stone Cake 1 poss Flat Face
An Rutbah AW Radar Facility (2)	33-07-35N 040-03-32E	Occupied	Hard	5	1 Bar Lock 1 Big Bar 1 Side Net 1 Rock Cake/Stone Cake
Ash Shuaybah AW Radar Facility 1 (17)	30-25-44N 047-37-20E	Occupied	Hard	1	1 Token 1 prob Fish Net
Ash Shuaybah AW Radar Facility 2 (18)	30-24-15N 047-40-00E	Occupied	Hard	1	1 Big Bar 2 Flat Face 1 Knife Rest 2 prob Fish Net 1 prob Flat Face
Az Zubaydah AW Radar Facility (12)	32-45-25N 045-09-55E	Occupied	Soft	0	1 Knife Rest
Baghdad Barracks School and Ordnance Depot Abu Ghurayb (7)	33-18-59N 044-14-30E	Occupied	Soft	0	
Habbaniyah Plateau AW Radar Facility (8)	33-20-35N 043-34-40E	Unoccupied	Hard	1	None
Habbaniyah Probable AW Radar Facility (9)	33-21-40N 043-34-30E	Unoccupied	Hard	1	None
H 3 Airfield AW Radar Facility (1)	32-55-05N 039-42-10E	Occupied	Hard	1	2 Spoon Rest 1 Side Net
Karbala AW Radar Facility (11)	32-42-40N 043-51-00E	Occupied	Soft	0	1 Flat Face 1 poss IFF radar
Kirkuk Military Airfield AW Radar Facility (4)	35-27-22N 044-21-30E	Occupied	Hard	0	1 Big Bar 1 prob Knife Rest 1 prob Fish Net
Mosul Airfield AW Radar Facility (3)	36-15-50N 043-07-50E	Occupied	Soft	0	1 prob Spoon Rest 1 poss IFF radar
Camp Taji AW Radar Facility (6)	33-31-08N 044-14-48E	Occupied	Hard	2	1 Bar Lock 1 Big Bar 1 Squat Eye 1 Flat Face 1 Side Net 1 prob Side Net 2 prob Spoon Rest
Tall Arqabah AW Radar Facility (10)	33-31-25N 042-56-00E	Occupied	Hard	1	1 Big Bar 1 prob Spoon Rest 1 poss IFF radar
Tikrit AW Radar Facility (5)	34-42-30N 043-33-00E	Unoccupied	Hard	2	None
Ummi Qasr AW Radar Facility (19)	30-04-20N 047-54-35E	Occupied	Soft	0	2 Spoon Rest
Totals		16 occupied sites 3 unoccupied sites	12 hard 7 soft	24	4 Bar Lock 7 Big Bar 1 Token 5 Side Net (1 prob) 2 Rock Cake/Stone Cake 2 Squat Eye (1 prob) 7 Flat Face (1 prob, 1 poss) 9 Spoon Rest (3 prob) 3 Knife Rest (1 prob) 4 prob Fish Net 4 poss IFF radars

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